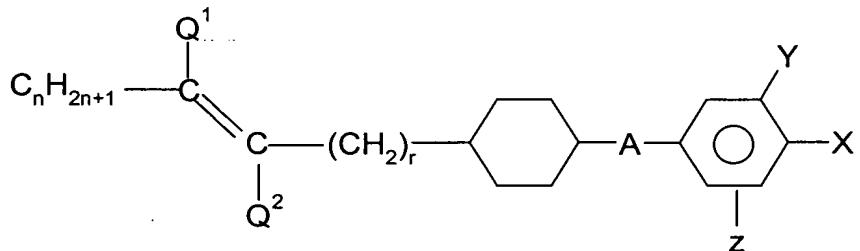


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended)

A phenylcyclohexane of formula I



in which n is 0 to 7, Q¹ and Q² are H, or one of these radicals is alternatively CH₃, r is 0, 1, 2, 3, 4 or 5, A is trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene or a single bond, X is -CN, and Y and Z are each, independently of one another, H or F, with the proviso that, in the case where A is trans-1,4-cyclohexylene or a single bond, Q¹ = Q² = H and simultaneously X = CN, Y and/or Z are F.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (canceled)

Claim 7 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 1.

Claim 8 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 7.

Claim 9 (previously presented) A phenylcyclohexane according to claim 1, wherein Q¹ and Q² are H and A is trans-1,4-cyclohexylene.

Claim 10 (previously presented) A phenylcyclohexane according to claim 1, wherein n is 0.

Claim 11 (previously presented) A phenylcyclohexane according to claim 1, wherein n is 1.

Claim 12 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 9.

Claim 13 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 12.

Claim 14 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 10.

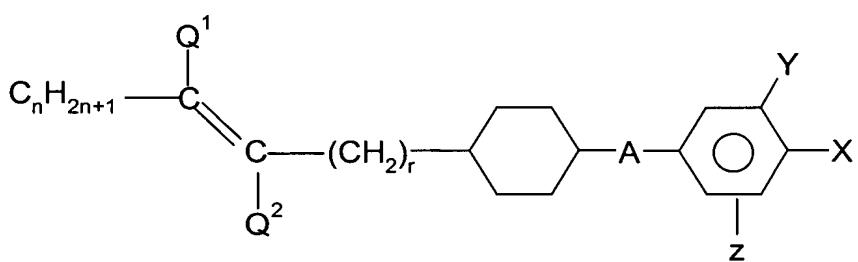
Claim 15 (previously presented) An electrooptical display based on a liquid-crystal

cell, wherein the liquid-crystal cell contains a medium according to claim 14.

Claim 16 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 11.

Claim 17 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 16.

Claim 18 (previously presented) A phenylcyclohexane of formula I



in which n is 0 to 7, Q¹ and Q² are H, or one of these radicals is alternatively CH₃, r is 0, 1, 2, 3, 4 or 5, A is trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene or a single bond, X is F, Cl, -CF₃ or -OCF₃ and Y and Z are each independently H or F.

Claim 19 (previously presented) A phenylcyclohexane according to claim 18, wherein Q¹ and Q² are H and A is trans-1,4-cyclohexylene.

Claim 20 (previously presented) A phenylcyclohexane according to claim 18, wherein n is 0.

Claim 21 (previously presented) A phenylcyclohexane according to claim 18, wherein n is 1.

Claim 22 (previously presented) A phenylcyclohexane according to claim 18, wherein X and Y are F and Z is H.

Claim 23 (previously presented) A phenylcyclohexane according to claim 18, wherein Z is F.

Claim 24 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 18.

Claim 25 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 24.

Claim 26 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 19.

Claim 27 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 26.

Claim 28 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 20.

Claim 29 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 28.

Claim 30 (previously presented) A liquid-crystalline medium comprising at least two

liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 21.

Claim 31 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 30.

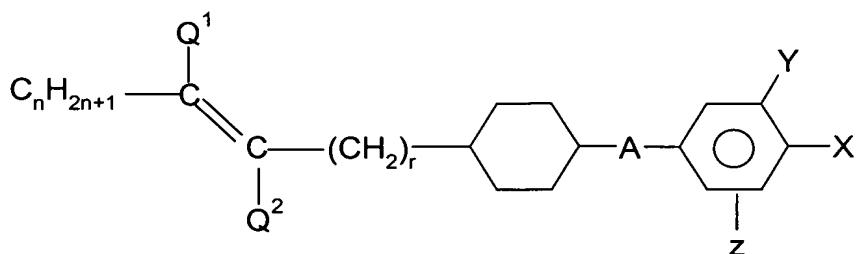
Claim 32 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 22.

Claim 33 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 32.

Claim 34 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 23.

Claim 35 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 34.

Claim 36 (previously presented) A phenylcyclohexane of formula I



in which n is 0 to 7, Q^1 and Q^2 are H, or one of these radicals is alternatively CH_3 . r is 0,

1, 2 or 3, A is trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene or a single bond, X is F, and Y and Z are each independently H or F.

Claim 37 (previously presented) A phenylcyclohexane according to claim 36, wherein Q¹ and Q² are H and A is trans-1,4-cyclohexylene.

Claim 38 (previously presented) A phenylcyclohexane according to claim 36, wherein n is 0.

Claim 39 (previously presented) A phenylcyclohexane according to claim 36, wherein n is 1.

Claim 40 (previously presented) A phenylcyclohexane according to claim 36, wherein X and Y are F and Z is H.

Claim 41 (previously presented) A phenylcyclohexane according to claim 36, wherein Z is F.

Claim 42 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 36.

Claim 43 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 42.

Claim 44 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 37.

Claim 45 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 44.

Claim 46 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 38.

Claim 47 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 46.

Claim 48 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 39.

Claim 49 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 48.

Claim 50 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 40.

Claim 51 (previously presented) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 50.

Claim 52 (previously presented) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is a phenylcyclohexane of formula I according to claim 41.

Claim 53 (previously presented) An electrooptical display based on a liquid-crystal

cell, wherein the liquid-crystal cell contains a medium according to claim 52.

Claim 54 (new) A phenylcyclohexane according to claim 1, wherein Z is ortho to X.

Claim 55 (new) A liquid-crystalline medium comprising at least two liquid-crystalline components, wherein at least one component is phenylcyclohexane of formula I according to claim 54.

Claim 56 (new) An electrooptical display based on a liquid-crystal cell, wherein the liquid-crystal cell contains a medium according to claim 55.